

AMENDMENTS TO THE CLAIMS

The claims in this listing replaces all prior versions and listings of claims in the application.

Listing of Claims:

1-20 (canceled).

21 (currently amended). A modularly designed server having a plurality of server modules ~~and a switching device via which a data packet is transmitted~~, each server module of said plurality of sever modules comprising:

at least one [[a]] data processing unit processor that processes data processes a
of the data packet;

at least one [[an]] addressable communication interface that connects said server
module to an external a first local network via which the data packet is transmittable;
and

a switching interface that connects said server module to [[the]] a switching
device of the modularly designed server to forward the data packet received by the at
least one addressable communication interface to a second server module of the
modularly designed server connected to a second local network, said switching
interface including a routing calculator that calculates an internal server module address
using a routing table based upon a utilization level of data processors of said plurality of
server modules of the modularly designed server, such that forwarding of the data
packet requires no independent router. ; and

~~a routing calculation unit that checks whether an incoming data packet addresses a server module of the server, said routing calculation unit determining a server module address of the server module of the server using a routing table in accordance with a utilization level of data processing units of all server modules to which the data packet is to be transmitted, wherein at least one server module of the plurality of server modules is provided as a routing server module that constantly updates the routing table in accordance with evaluated utilization data of other server modules, the routing server module transmitting a current routing table to the other server modules.~~

22 (currently amended). The modularly designed server of claim 21, wherein the server module data processor processes data packets of a particular prescribed application type.

23 (previously presented). The modularly designed server of claim 22, wherein the data packet contains information of a particular prescribed application type, the server module address being calculated in accordance with the particular prescribed application type of the transmitted data packet.

24 (currently amended). The modularly designed server of claim 21, wherein said at least one addressable communication interface includes a buffer that temporarily stores a transmitted data packets packet.

25 (canceled).

26 (currently amended). The modularly designed server of claim 21, wherein said ~~routing~~ server module transmits the current routing table to the other server modules near the switching interface.

27 (currently amended). The modularly designed server of claim 26, wherein said ~~routing~~ server module collects and evaluates data relating to the utilization level of the data ~~processing units~~ processors of all server modules of the modularly designed server.

28 (currently amended). The modularly designed server of claim 27, wherein the ~~routing~~ server module further updates the routing table on the basis of assigned application types of the other server modules and priority information data for the transmitted data packet.

29 (currently amended). The modularly designed server of claim 21, wherein a data processing process executed within one server module is transmitted to data ~~processing units~~ processors of other server modules when the utilization level of the data ~~processing unit~~ processor of a particular server module exceeds a predetermined level.

30 (new). The modularly designed server of claim 21, wherein each server module of said plurality of sever modules are connected together via an internal data bus.

31 (new). The modularly designed server of claim 21, wherein each server module of said plurality of sever modules are connected together via a data line.